

Original/Duplicate/Triplicate CONTRACT CERTIFICATE

SBR-WO/46/17-18

No. **First & Final Bill**

(For Other Works)

Date **30/05/2017**

Division: **BBMP, Byataranyanapura**

Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. **94** Dated **26-5-17**

Divisional

Cash Book Voucher No. Dated.

Sub Divisional

Work Code: **010-17-000029**

Schedule Docket No. Head of Account: **P- 1802**

Est.Cost: **30.00 Lakhs** D.R.No. : **✓**

Name of Work (as per sanctioned estimate): **Drilling of Borewells and Providing Pump Motor and other Accessories to borewell in Ward No. 10(Doddabommasandra), Vidyaranyapura Sub Division.**

Name of Contractor and Full Address: **Sri. K.V. Subbareddy, Contractor, # 106, B Ashwathnagara, R.M.V 2nd Stage, Bangalore - 560 094.**

Reference to Agreement No. **EE/BTP/BBMP/E-PMT-20(24402)/WO/20 /2017-18**

Dated: **19.04.2017**

Certified that the measurements were taken by me on **26-5-17** and recorded of Pages **35u201** to **216** of measurement Book No. **35u3** and that the work is satisfactorily executed.

77u. Subbareddy
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on **26-5-17** and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

Assistant Sub-Division Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being percent Rs.
- 3) " Balance
- 4) Deduct Payment:
 - a. Amount of previous payment as in the Office Cash Book Voucher
 - No. Dated. S.D. No.
 - adjusted towards cash advance recovery of
 - b. Payments } cost store or other material supplied.
 - Now made } recovery of amount creditable to this/other work
 - Amount paid on this bill Cheque / Cash.
- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No. dated. less adjustments.
- 7) Net amount due to or from Contractor unadjustments items.
- 8) Advance to Contractor for materials brought to site (as detailed) within.
- 9) Value of Government materials supplied.

Total Rs. 28,14,161-00

Amount 9T- 28142-00

VAT- 112566-00

Cey- 28142-00

CBF- 2814-00

Adj- 171664-00

Cheque 2642497-00

Total amount adjusted -

77u. Subbareddy
Contractor's Signature

Received Rs. (in words)

by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No. Dated.

Cash Rs.

Dated.

Initials of Officer making payment

Stamp

77u. Subbareddy

Executive Engineer
09/06

2814161-
171664-
2642497-
four lakh forty two thousand four hundred and seventy seven only.

Sl. No.		Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each BW
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr
3	50 to 100 m	Rmtr
4	100 to 150 m	Rmtr
5	150 to 200 m	Rmtr
6	200 to 250 m	Rmtr
7	250 to 300 m	Rmtr
8	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
9	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work	Rmtr
10	Providing and fixing 175mm Borewell Cap with clamp Set H/D,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
11	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage	No
12	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendment 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr
13	Heavy Duty Collar 50 mm dia	Nos
14	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
15	Labour charges for erection as new /repaired submercible pumpset along with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset should be handed over to department including transportation (Each lenth =6.00) etc., complete and as per the directions of the Engineer-in-charge of the work	Per Leng th
16	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.
17	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr

Previous

Qty.

Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
Each BW	-	-	4	1759.67	7039.00	4	7039.00	
Rmtr	-	-	200.00	286.11	57222.00	200.00	57222.00	
Rmtr	-	-	200.00	374.00	74800.00	200.00	74800.00	
Rmtr	-	-	200.00	416.08	83216.00	200.00	83216.00	
Rmtr	-	-	200.00	439.45	87890.00	200.00	87890.00	
Rmtr	-	-	200.00	508.64	101728.00	200.00	101728.00	
Rmtr	-	-	200.00	545.10	109020.00	200.00	109020.00	
	-	-	~~50.00~~		~~27255.00~~		~~27255.00~~	
Rmtr	-	-	260.00	1238.88	322109.00	260.00	322109.00	
Rmtr	-	-	72.00	705.43	50791.00	72.00	50791.00	
No.	-	-	4	93.50	374.00	4	374.00	
No	-	-	4	56474.00	225896.00	4	225896.00	
mtr os	-	-	1040.00	350.62	364645.00	1040.00	364645.00	
tr	-	-	173	121.55	21028.00	173	21028.00	
er ng	-	-	2160.00	176.43	381089.00	2160.00	381089.00	
	-	-	173.00	82.28	14234.00	173.00	14234.00	
	-	-	4	282.37	1129.00	4	1129.00	
	-	-	120.00	131.27	15752.00	120.00	15752.00	

Sl. No.		Un	Previous M	Qty.
18	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
19	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
2	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
21	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
22	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of salt and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 through holes of 122 mm dia, (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
24	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-			
25	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
26	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour etc., complete and as per the directions of the Engineer-in-charge of the work			
27	Supplying shunt capacitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
18	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing material wiring complete as required 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
29	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
30	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset 10HP to 20 HP Star Delta Starter SERDED Rate with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
31	Earthwork excavation for pipeline foundation including deoporing or bank up to a depth of 50 mtrs including shirry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following structure manhole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work			
32	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and including lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 75mm Dia 6 KSC			

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	120.00	10.10	1212.00	120.00	1212.00	
-	-	100.00	79.48	7948.00	100.00	7948.00	
-	-	16.00	322.58	5161.00	16.00	5161.00	
-	-	4	261.80	1047.00	4	1047.00	
-	-	4	2549.74	10199.00	4	10199.00	
-	-	24	168.30	4039.00	24	4039.00	
-	-	4	1482.69	5931.00	4	5931.00	
-	-	4	213.09	852.00	4	852.00	
-	-	16	74.80	1197.00	16	1197.00	
-	-	4	327.25	1309.00	4	1309.00	
-	-	4	1446.44	5786.00	4	5786.00	
-	-	93600.00	0.31	29016.00	93600.00	29016.00	
-	-	4	10285.00	41140.00	4	41140.00	
-	-	90.00	175.78	15820.00	90.00	15820.00	
-	-	200.00	146.80	29360.00	200.00	29360.00	

Sl. No.		Unit
33	Refilling the bumont and pipeline treanches with seclated available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrswith all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
34	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each
35	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
36	Above 1.5 Mtrs Depth Add 25% Extra	
37	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation , including cost of all materials, labour, HOM of machinery, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
38	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
39	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm
40	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggretes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills , ncluding cost of all materials, labour, HOM of machinery, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Cum
41	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - Data rate	Sqm
	BESCOM Deposit = 1889+10200+100 = 12189.00	
	BESCOM Deposit = 1889+8160+100 = 10149.00	
	Grand Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.



